Daniel Okafor

GRADUATE RESEARCH ASSISTANT

daniel.okafor@email.com | (608) 555-0139 | Madison, WI
linkedin.com/in/danielokafor

SUMMARY

Statistics master's student at the University of Wisconsin-Madison with 1 year of graduate research building machine learning models in Python and R. Cleans large field datasets with Pandas, trains TensorFlow models and drafts methods sections for lab reports, working independently with weekly check-ins with the principal investigator.

EXPERIENCE

Graduate Research Assistant
08/2025 - Present

Crop Sensing Lab, University of Wisconsin-Madison — Madison, WI

Agronomy research lab using drone and soil sensor data to model crop yield.

- Build machine learning models in Python and TensorFlow that predict corn yield from drone imagery, reaching **0.87** R-squared on held-out farms.
- Consolidate 2.4 million sensor readings with Pandas, cutting weekly data prep from 6 hours to 40 minutes.
- Model 3 field trials with mixed-effects regression in R and draft the methods and results sections of grant reports.
- Document each pipeline step in the lab's Git repository so 4 undergraduate assistants can rerun analyses.

Data Analyst Intern
05/2024 - 08/2024

Lakeshore Health Analytics — Milwaukee, WI

Analytics firm serving community clinic networks in southeast Wisconsin.

- Analyzed 18 months of visit records in Excel and Python to find no-show patterns across **9** clinic locations.
- Trained a Scikit-learn logistic regression that ranked high-risk appointments for reminder calls at 3 clinics.
- Presented results in a 20-minute briefing to the operations director and wrote a 4-page summary for clinic managers.
- Validated every joined table against source counts, catching a duplicate-patient error before the final report.

SKILLS

Python | R | Pandas | Machine Learning | TensorFlow | Scikit-learn | Microsoft Excel | Git | Attention to Detail | Written and Oral Communication

EDUCATION

Master of Science
05/2027

University of Wisconsin-Madison — Madison, WI

Statistics

AWARDS

Departmental Graduate Scholarship
08/2025

University of Wisconsin-Madison, Department of Statistics